

PATENT

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12/10/01  
Date

Valerie Jones

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Soane, <i>et al.</i>	Examiner: Not Yet Assigned
Application No.:	Not Yet Assigned	Art Unit: Not Yet Assigned
Filed:	December 7, 2001	Docket No.: 50225-8009 US.09
For:	<b>Method for Electrophoresis in Polycarbonate Electrophoretic Devices</b>	

BOX PATENT APPLICATION

Assistant Commissioner for Patents  
Washington, DC 20231

PRELIMINARY AMENDMENT UNDER RULE 1.53B-1 CONTINUATION  
APPLICATION

Sir:

Prior to examination of the above-referenced Rule 1.53(b)-1 continuation application, the Examiner is respectfully requested to make the following amendments.

In the Specification:

On page 1, please replace the title with the following title:

**Method for Electrophoresis in Polycarbonate Electrophoretic Devices.**

On page 1, please replace paragraph beginning on line 2 and ending on line 8, with the following paragraph:

This application is a continuation of Application No. 09/479,503, filed January 7, 2000, which is a continuation of U.S. Patent Application Serial No. 08/974,372 filed November 19, 1997, issued as U.S. Patent No. 6,093,296, which is a continuation of U.S. Patent Application Serial No. 08/615,642 filed March 13, 1996, issued as U.S. Patent No. 5,750,015, which is a continuation-in-part application of U.S. Patent Application Serial No. 08/430,134 filed April 26, 1995 which is a continuation of U.S. Patent Application Serial No. 08/196,763 filed February 14, 1994, now abandoned, which is a continuation of U.S. Application Serial No. 07/880,187 filed May 7, 1992, now abandoned, which is a continuation of U.S. Application Serial No. 07/487,021 filed February 28, 1990, issued as U.S. Patent No. 5,126,022 on June 30, 1992.

**In the Claims:**

Cancel claims 22-26.

Add new claims 27-30 as follows:

27. (New) A method for moving charged particles in a controlled manner, comprising;
- occupying a first capillary electrophoresis channel with a polymeric gel medium, wherein the first capillary electrophoresis channel is formed in a polymeric surface;
  - connecting fluidly at least one branch channel to the first capillary electrophoresis channel, wherein the at least one branch channel is formed in the polymeric surface;
  - occupying the at least one branch channel with the polymeric gel medium;
  - introducing the charged particles into the first capillary electrophoresis channel;
- and
- creating a voltage gradient in the first capillary electrophoresis channel to move the particles, wherein creating includes using at least two electrodes placed in electrical contact with the polymeric gel medium.
28. (New) The method of claim 27, wherein the polymeric surface is formed out of a polycarbonate material.

29. (New) The method of claim 27, wherein introducing includes placing a reactant material in the at least one branch channel.

30. (New) The method of claim 27, further comprising creating a voltage gradient in the at least one branch channel.

**Remarks:**

This is a preliminary amendment to a Rule 1.53(b)-1 continuation application of co-pending parent application serial number 09/479,503, filed January 7, 2000. Note that the parent 09/479,503 has not been abandoned or issued.

In light of the foregoing preliminary amendment and remarks, the applicant . requests reconsideration of the application and an allowance of all pending claims. If the Examiner wishes to discuss the above-noted amendment, or if the Examiner notices any informalities in the claims, the Examiner is encouraged to contact Michael Martensen by telephone at (650) 838-4406 to expediently correct any such informalities.

Respectfully submitted,

Perkins Coie LLP

*10 December, 2001*



Michael C. Martensen

Registration No. 46,901

**Enclosures:**

Copy of the specification as filed in 09/479,503

Copy of the declarations of 09/479,503

Copy of the assignment of 09/479,503

IDS

Postcard

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## **Appendix – Version with Markings to Show Changes Made**

### **In the specification:**

This application is a continuation of Application No. 09/479,503, filed January 7, 2000,  
which is a continuation-in-part application of U.S. Patent Application Serial No. 08/430,134  
filed April 26, 1995 which is a continuation of U.S. Patent Application Serial No. 08/196,763  
filed February 14, 1994, now abandoned, which is a continuation of U.S. Application Serial No.  
07/880,187 filed May 7, 1992, now abandoned, which is a continuation of U.S. Application  
Serial No. 07/487,021 filed February 28, 1990, issued as U.S. Patent No. 5,126,022 on June 30,  
1992.